Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/03/2021 09:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125207	0	1.20	125142	1.17
Blue	F	SSC	125000	124469	-1	2.18	124857	2.12
Blue	E	FITC	13131	12852	-3	2.25	297	15.61
Blue	D	PE	24112	23977	-1	1.65	550	11.11
Blue	B	PerCP-Cy5-5	31295	30716	-2	2.98	1015	14.74
Blue	A	PE-Cy7	19939	19552	-2	5.28	521	29.49
Red	C	APC	42122	41251	-3	3.09	1731	11.52
Red	A	APC-Cy7	22340	21764	-3	3.36	814	11.80
Violet	B	V450	7410	7014	-6	3.53	424	13.12
Violet	A	V500	28118	26966	-5	3.16	670	10.30

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23374	1.34	571	2	N/A	N/A	Pass
Blue	F	SSC	58113	1.10	523	11	N/A	N/A	Pass
Blue	E	FITC	55	57.02	489	2	0.0452	278	Pass
Blue	D	PE	115	38.44	492	4	0.3782	313	Pass
Blue	B	PerCP-Cy5-5	190	36.51	588	2	0.0193	81	Pass
Blue	A	PE-Cy7	105	70.12	630	2	0.0218	8	Pass
Red	C	APC	403	23.81	579	3	0.0271	148	Pass
Red	A	APC-Cy7	182	27.86	554	3	0.0061	1055	Pass
Violet	B	V450	60	67.14	453	0	0.0571	2513	Pass
Violet	A	V500	98	35.79	465	0	0.0233	925	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.07	-31.76	1.14
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.42
Red	15.18	13.60 - 20.40	N/A	N/A	30.00	30.38	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10235

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments